

What Is Claimed Is:

1. A method for preparing microparticles, comprising:
combining a first phase and a second phase in a static mixer to form an emulsion,
wherein the first phase comprises a polymer and a solvent and the second phase is
aqueous;
filtering from the emulsion at least a portion of the solvent to form a solvent
increased separated phase;
adding to the emulsion a quantity of an aqueous solution; and
continuing the filtering and adding steps until microparticles are formed.
2. The method of claim 1, further comprising:
combining the emulsion with a quench liquid.
3. The method of claim 1, wherein the filtering is carried out using a membrane
filter.
4. The method of claim 1, wherein the filtering is carried out using a filter disposed
in a diafiltration unit.
5. The method of claim 1, wherein the continuing step is carried out until a selected
level of solvent in the emulsion is reached.
6. The method of claim 1, further comprising:
rinsing the microparticles.

7. The method of claim 2, wherein the combining step is carried out using a static mixer.
8. The method of claim 1, wherein the emulsion further comprises an active agent.
9. The method of claim 7, wherein the filtering step is carried out in a contactor comprising a hollow fiber.
10. The method of claim 1, wherein the filtering step is carried out in a contactor comprising a hollow fiber.
11. The method of claim 8, wherein the active agent is selected from the group consisting of risperidone, 9-hydroxyrisperidone, and pharmaceutically acceptable salts thereof.
12. The method of claim 11, wherein the solvent comprises benzyl alcohol and ethyl acetate.
13. The method of claim 1, further comprising:
rinsing the microparticles.
14. The method of claim 7, wherein the emulsion further comprises an active agent.
15. The method of claim 14, wherein the active agent is selected from the group consisting of risperidone, 9-hydroxyrisperidone, and pharmaceutically acceptable salts thereof.

16. A method for preparing microparticles, comprising:
combining an organic phase and a continuous phase in a static mixer to form an emulsion, wherein the organic phase comprises a polymer, an active agent, and a solvent;
extracting at least a portion of the solvent into an extraction liquid to form a solvent reduced emulsion;
removing the extraction liquid that contains the portion of the solvent; and
continuing the extracting and removing steps until microparticles are formed.
17. The method of claim 16, wherein the extracting step is carried out using a membrane filter.
18. The method of claim 16, wherein the extracting step is carried out in a contactor comprising a hollow fiber.
19. The method of claim 16, wherein the extraction liquid comprises heptane.
20. The method of claim 16, wherein the extraction liquid is miscible with the solvent and is a non-solvent for the polymer, the active agent, and the continuous phase.